Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/09/2021 08:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125074	0	1.43	125009	1.43
Blue	F	SSC	125000	125113	0	2.49	125442	2.34
Blue	E	FITC	13131	12726	-4	2.17	293	15.83
Blue	D	PE	24112	23744	-2	1.62	543	10.51
Blue	B	PerCP-Cy5-5	31295	30832	-2	2.98	1020	14.51
Blue	A	PE-Cy7	19939	19620	-2	5.13	525	29.17
Red	C	APC	42122	41390	-2	3.17	1734	11.70
Red	A	APC-Cy7	22340	22025	-2	3.50	822	11.90
Violet	B	V450	7410	6968	-6	3.69	422	13.03
Violet	A	V500	28118	27145	-4	3.17	677	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22288	2.30	581	12	N/A	N/A	Pass
Blue	F	SSC	58452	1.12	521	9	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0389	85	Pass
Blue	D	PE	114	37.07	488	0	0.4784	369	Pass
Blue	B	PerCP-Cy5-5	191	36.51	585	-1	0.0202	109	Pass
Blue	A	PE-Cy7	105	68.12	627	-1	0.0219	1	Pass
Red	C	APC	402	24.33	582	6	0.0262	153	Pass
Red	A	APC-Cy7	184	28.47	558	7	0.0062	1340	Pass
Violet	B	V450	59	65.33	462	9	0.0534	2069	Pass
Violet	A	V500	98	36.31	475	10	0.0231	939	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.83	-31.49	1.00
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.52	13.60 - 20.40	N/A	N/A	29.94	30.20	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14739

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments